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**Abstract Of The Disclosure:**

4/102 A heat controller for an object, having a composite material formed of a base material radiating a large amount of heat at a high-temperature phase and a phase-change substance having insulation properties at a high-temperature phase, having metallic properties at a low-temperature phase, radiating a small amount of heat at a low-temperature phase, and having a high reflectivity in the thermal infrared region at a low-temperature phase.

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